

Institute for form 1449B/PTO		<b>Complete if Known</b>			
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/643,015		
		Filing Date	08/18/2003		
		First Named Inventor	Todd S. Emrick		
		Art Unit	1712		
		Examiner Name	Feely, Michael J.		
Sheet	1	of	1	Attorney Docket Number	7163

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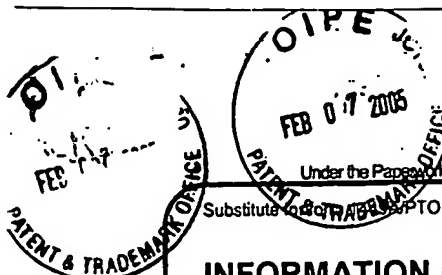
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/	/	NAKAJIMA, ANRI. Fabrication of Si and metal nanoscale dot structures and their application to single-electron devices. Research Center for Nanodevices and Systems, Hiroshima University, Hiroshima, Japan. Recent Research Developments in Applied Physics (1999), 2(Pt. 2), 637-718.	/

Examiner Signature	<i>Michael J. Feely</i>	Date Considered	3/23/05
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### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
MF		US- 2003/0077625 A1	04-24-2003	James E. Hutchinson	
MF		US- 6,649,138 B2	11-18-2003	Edward William Adams, et al.	
MF		US- 6,468,808	10/22/2002	Nie, Shuming, et al.	
MF		US- 20040005243 A1	01/08/2004	Mulham, Gregory, et al.	
MF		US- 20010023078 A1	09/20/2001	Bawendi, Moungi G., et al.	
		US- 20040033346 A1	02/10/2004	Dubertret, Benoit, et al.	
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### FOREIGN PATENT DOCUMENTS

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		Country Code <sup>4</sup> - Number <sup>5</sup> - Kind Code <sup>6</sup> (if known)				
MF	B1	WO 02/074997 A1	09-26-2002	QTL Biosystems, Inc.		
MF	B2	WO 02/20200	03-14-2002	Japan Science and Technology Corporation		
MF	B3	WO 03/037788 A1	05-08-2003	OXON-ICA Limited		
MF	B4	WO 02/073155 A1	09-19-2002	NABIEV, Igor, et al.		

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MF	A1	BALLOU, BYRON; LAGERHOLD, B. CHRISTOFFER; ERNST, LAUREN A.; BRUZZEZ, MARCEL P.; WAGGONER, ALAN S., Noninvasive Imaging of Quantum Dots in Mice, Molecular Biosensor and Imaging Center, and Department of Biological Sciences, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, Pennsylvania 15213 and Quantum Dot Corporation, 26118 Research Road, Hayward, California 94545. <i>Bioconjugate Chemistry</i> (2004 Jan-Feb), 15(1), 79-88.	/
MF	A2	DUBERTRET, BENOIT; SKOURIDES, PARIS; NORRIS, DAVID J.; NOIREAUX, VINCENT; BRIVANLOU, ALI H.; LIBCHABER, ALBERT, In vivo imaging of quantum dots encapsulated in phospholipid micelles. <i>Center Studies in Physics and Biology, The Rockefeller Univ. New York, NY USA. Science</i> (Washington, DC, United States) (2002), 298 (5599), 1759-1762. CODEN: SCIEAS ISSN:0036-8075. Journal Written in English. CAN 138:333818 AN 2002:696503 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A3	AKERMAN, MARIA E.; CHAN, WARREN C.W.; LAAKKONEN, PIRJO; BHATIA, SANGEETA N.; RUOSLAHTI, ERKKI. Nanocrystal Targeting In Vivo. <i>Cancer Research Center, The Burnham Institute, La Jolla, CA USA. Proceedings of the National Academy of Sciences of the United States of America</i> (2002), 99(20), 12617-12621. CODEN PNASAB ISSN: 0027-8424. Journal Written in English. CAN 139:26451 AN 2002:795199 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A4	WESTENHOFF, SEBASTIAN; KOTOV, NICHOLAS A. Quantum Dot on a Rope. <i>Journal of the American Chemical Society</i> (2002), 124(11), 2448-2449. CODEN:JACSAT ISSN: 002-7863. Journal Written in English. CAN 136:326009 AN 2002:145011 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A5	COSTANZO, PHILIP J.; PATTEN, TIMOTHY E.; Synthesis of Nanostructures comprised of biotinylated CdS/SiO <sub>2</sub> Nanoparticles. <i>Department of Chemistry, University of California, Davis, Davis CA, USA. Abstracts of Papers, 226<sup>th</sup> ACS National Meeting, New York, NY United States, September 7-11, 2003</i> (2003), PSME-200. Publisher: American Chemical Society, Washington D.C. CODEN:69EKY9 Conference; Meeting Abstract written in English. AN 2003:636583 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A6	COSTANZO, PHILIP J.; PATTEN, TIMOTHY E.; SMITH, ROSEMARY. Synthesis of an $\alpha$ -siloxy- $\alpha$ -amino poly(ethylene glycol) for use in ligating biological molecules to nanoparticles. <i>University of California at Davis, Davis, CA, USA. Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)</i> (2003), 44(1), 554-555. CODEN: ACPPAY ISSN: 0032-3934. Journal written in English. CAN 139:7333 AN 2003:210992 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A7	BILLANCIA, GIANMARCO; WOUTERS, DAAN; PRECUP, ANDREI A.; SCHUBERT, ULRICH S. Towards Functionalized nanoparticles. Laboratory of Macromolecular and Organic Chemistry, Eindhoven Univ. of Tech., Eindhoven, Neth. <i>Polymeric Materials Science and Engineering</i> (2001), 85 508-509. CODEN: PMSEDG ISSN: 0743-0515. Journal Written in English. CAN 134:289177 AN 2001:585299 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A8	HONG, RUI; FISCHER, NICHOLAS O.; VERMA, AYUSH; GOODMAN, CATHERINE MCINTOSH; EMRICK, TODD; ROTELLO, VINCENT. Control of Protein structure and function through surface recognition by tailored Nanoparticle scaffolds. Department of Chemistry, University of Massachusetts Amherst, Amherst, MA, USA. <i>Abstracts of Papers, 226<sup>th</sup> ACS National Meeting, New York, NY, United States, September 7-11, 2003</i> (2003). ORGN-575. Publisher: American Chemical Society, Washington D.C. CODEN:69EKY9 Conference; Meeting Abstract written in English. AN 2003:635861 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/

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MF	A9	SKAFF, HABIB; EMRICK, TODD. The use of 4-substituted pyridines to afford Amphiphilic, pegylated cadmium selenide nanoparticles. Department of Polymer Science and Engineering, University of Massachusetts, Amherst, MA, USA. <i>Chemical Communications</i> (Cambridge, United Kingdom) (2003), (1), 52-53. CODEN:CHCOFS ISSN: 1359-7345. Journal Written in English. CAN 138:344463 AN 2003:22276 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A10	BHADRA D; BHADRA S; JAIN P; JAIN NK. Pegnology: a review of PEG-ylated systems. Department of Pharmaceutical Sciences, Dr. Harisingh Gour University, Sagar, India PHARMAZIE (2002 Jan), 571(1), 5-29. Journal Code: 9800768. ISSN:0031-7144. Journal; Article; (JOURNAL ARTICLE); General Review; (REVIEW); (REVIEW, ACADEMIC) written in English. DN 21825544 PubMed ID 11836932 AN 2002104824 MEDLINE (Copyright 2004 U.S.National Library of Medicine on SciFinder (R))	/
MF	A11	QI, LIMIN; COELFEN, HELMUT; ANTONIETTI, MARKUS. Synthesis and Characterization of CdS Nanoparticles Stabilized by Double-Hydrophilic Block Copolymers. Research Campus Golm, Max-Planck-Institute of Colloids & Interfaces Colloid Chemistry, Potsdam, Germany. <i>Nano Letters</i> (2001), 1(2), 81-85. CODEN:NALEFD ISSN: 1530-6984. Journal written in English. CAN 134:184038 AN 2000:866753 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A12	HIRAI, TAKAYUKI; SAITO, TSUYOSHI; KOMASAWA, ISAO. Recovery and Immobilization of Metal Sulfide Nanoparticles from Reverse Micellar System onto Thiol-Modified Polystyrene Particles. Department of Chemical Science and Engineering Graduate School of Engineering Science, Osaka University, Toyonaka, Japan. <i>Journal of Physical Chemistry B</i> (2000), 104(49), 11839-11843. CODEN:JPCBFK ISSN: 1089-5647. Journal written in English. CAN 134:78894 AN 2000:805447 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A13	GREF, RUXANDRA; COUVREUR, PATRICK; BARRATT, GILLIAN; MYSLAKINE, EVGUENI. Surface-Engineered nanoparticles for multiple ligand coupling. UMR CNRS< School of Pharmacy, University of Paris Sud, Chatenay Laubry, Fr. <i>Biomaterials</i> (2003), 24(24), 4529-4537. CODEN:BIMADU ISSN: 0142-9612. Journal written in English. AN 2003:612437 CAPLUS (Copyright 2004 ACS on SciFinder (R))	/
MF	A14	OUYANG, MIN; AWSCHALOM, DAVID D. Coherent Spin Transfer Between Molecularly Bridged Quantum Dots. Department of Physics and Center for Spintronics and Quantum Computing, University of California, Santa Barbara, CA, USA> <i>Science</i> (Washington DC, United States) (2003), 302(5636), 1074-1078	/
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